ABSTRACT OF THE DISCLOSURE

The invention relates to a method, system and computer program product for correcting a red-eye effect in a digital image provided by a cluster of pixels. It comprises (a) conducting at least one tophat operation over each pixel in the digital image to provide a tophat image; (b) conducting an intensity threshold operation on the tophat image to provide a segmentation mask for segmenting objects in the digital image; (c) for each segmented object in the segmentation mask, extracting at least one feature from at least one of the segmented object and a border region surrounding the segmented object and classifying the segmented object based on the at least one feature; and (d) for each segmented object in the segmentation mask classified as red-eye effect in step (c), correcting the red-eye effect by re-coloring the segmented object to generate a corrected image.